PATENT COOPERATION TREATY



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicants or agents the reference 119471/JMD/jet	ACTION as we	ell as, where applicable, item 5 below.			
International application No. PCT/AU2004/000973	International filing date (day/month/year) 20 July 2004	(Earliest) Priority Date (day/month/year) 21 July 2003			
Applicant NAUTITECH PTY LTD et al					
Article 18. A copy is being transmitted to the This international search report consists of a t	•	nd is transmitted to the applicant according to			
1. Basis of the report	, prive and downloads drive in all of Apoli.				
a. With regard to the language, the inte		he international application in the language in which			
it was filed, unless otherwise indicate The international search	d under this item. ch was carried out on the basis of a translation of	f the international application furnished to this			
Authority (Rule 23.10)	b)).	•			
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. Certain claims were found unsearchable (See Box No. II).					
4. With regard to the title,	•				
X the text is approved as submitte	ed by the applicant.	•			
	this Authority to read as follows:	•			
	•	•			
	•				
5. With regard to the abstract,					
X the text is approved as submitt	ed by the applicant.	•			
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.					
6. With regard to the drawings,					
a. the figure of the drawings to be published with the abstract is Figure No. 3					
as suggested by the applicant.					
as selected by this Authority, because the applicant failed to suggest a figure.					
X as selected by this A	uthority, because this figure better characterizes	the invention.			
b. none of the figures is to be pu	blished with the abstract.				

INTERNATIONAL SEARCH REPORT

International application No. PCT/AU2004/000973

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This interna	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following				
1.	Claims Nos.:				
<u></u>	because they relate to subject matter not required to be searched by this Authority, namely:				
	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such				
3.	an extent that no meaningful international search can be carried out, specifically: Claims Nos.:				
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)				
Вох №. Ц	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Claims 1-7, 9-15 are directed to a transmission having two gear trains and a clutch means. Claim 8 is directed to a transmission having a lay shaft, two gear trains and two clutches.					
The comm	non feature of a transmission having two gear trains is common in the art, hence a lack of unity exists.				
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2. X	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4,	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark o	n Protest The additional search fees were accompanied by the applicant's protest.				
	No protest accompanied the payment of additional search fees.				

INTERNATIONAL SEARCH REPORT

International application No. PCT/AU2004/000973

			PC1/AU2004/	000973
A. (CLASSIFICATION OF SUBJECT MATTER			
int. Cl. 7;	B63H 23/30, 23/06, F16H 3/091, 3/10			
	nternational Patent Classification (IPC) or to	both national classification and IPC		
	FIELDS SEARCHED			·
	nentation searched (classification system followed	by classification symbols)		
MINIMIAN GOOM	Heilibiton somenes (ermanication a)arom rono on			
Documentation	searched other than minimum documentation to the	e extent that such documents are include	d in the fields search	ed
	base consulted during the international search (nar B63H 23/- with keywords: clutch, coupli		earch terms used)	
C.	DOCUMENTS CONSIDERED TO BE RELEVA	NT		
Category*	Citation of document, with indication, when	e appropriate, of the relevant passage	S	Relevant to claim No.
	GB 596307 A (GRYLLS) 1 January 19	48		
X	Whole document	•		1, 3-6, 8-10, 14-15
	GB 2367598 A (COMBINED ENGINE	EERING CONCEPTS LTD) 10 A	pril 2002	•
X	Whole document			1, 3, 5-6, 8-15
X	US 4323354 A (BLANCHARD) 6 April 1982 X Whole document			
X	US 4331432 A (BLANCHARD) 25 M Whole document	ay 1982		14-15 1, 3-4, 6, 8- 10, 14-15
X F	further documents are listed in the contin	uation of Box C X See 1	patent family ann	ex .
"A" docume	eategories of cited documents: at defining the general state of the art which is sidered to be of particular relevance	later document published after the interconflict with the application but cited to underlying the invention	o understand the princi	ple or theory
"B" carlier application or patent but published on or after the "X" document of particular relevance; the claimed invention cannot be international filing date or cannot be considered to involve an inventive step when the doc			e document is taken	
"L" document which may throw doubts on priority claim(s) "Y" document of particular relevance; the claimed inventive or which is cited to establish the publication date of involve an inventive step when the document is comb another citation or other special reason (as specified) such documents, such combination being obvious to			ument is combined wit	h one or more other
"O" document referring to an oral disclosure, use, exhibition "&" document member of the same patent family			amily	
"P" docume	ent published prior to the international filing date than the priority date claimed			
_	tual completion of the international search	Date of mailing of the internat	ional search report	1 3 SEP 2004
9 Septembe		A coll a local addition		
	iling address of the ISA/AU	Authorized officer		
PO BOX 200, B-mail addres	N PATENT OFFICE , WODEN ACT 2606, AUSTRALIA s: pct@ipaustralia.gov.au	KURT TOBLER		
racsimile No.	(02) 6285 3929	Telephone No: (02) 6283	407	

INTERNATIONAL SEARCH REPORT

International application No. PCT/AU2004/000973

	PCT/AU200	4/000973
C (Continuat	ion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	US 4400163 A (BLANCHARD) 23 August 1983 Whole document	1, 3-4, 8-10, 14-15
Y	Whole document	2, 5, 11-13
x	US 1795135 A (MOLLY) 3 March 1932 Whole document	1, 3-4, 8-10, 14-15
X .	US 4747795 A (KAWAMURA et al.) 31 May 1988 Whole document	1, 6, 8-11, 14-15
x	EP 688974 B1 (TOYOTA JIDOSHA KABUSHIKI KAISHA) 9 September 1998 Whole document	1-2, 4-6, 11-13
x	AU 661697 B (199219415) (YANG) 13 January 1994 Whole document	1-2, 4, 6, 11
X	GB 1241744 A (STEYR-DAIMLER-PUCH AG) 4 August 1971 Whole document	8-11
¥	US 5085302 A (KRIESELS) 4 February 1992 Whole document	1-2, 5, 7, 11-15
A	GB 2205366 A (RICARDO CONSULTING ENGINEERS PLC) 7 December 1988 Whole document	7
		·
•		

INTER: FIONAL SEARCH REPORT Information on patent family members

International application No.
PCT/AU2004/000973

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Pater	at Document Cited in Search Report		•	Pater	nt Family Member		
GB	596307	<u> </u>					
GB	2367598	ΑŰ	92066/01	EP	1328459	US	2004033737
		WO	0228756				
US	4323354	. CA	1139968	CA	1177338	JР	55110695
•		JР	58085794	US	4400163		· · · · · · · · · · · · · · · · · · ·
US	4331432	CA	1142393	JP	56083640	· · CA	1139968
	•	CA	1177338	\mathfrak{M}	55110695	Ъ	58085794
		US	4323354	US	4400163		
US	1795135	,		•			
EP	0688974	ĴΡ	8004887	US	5603241		•
AU	661697	AŬ	19415/92	CA	2073158		
GB	1241744			-	•		
US	5085302	EP	0515650	WO	9211472		
GB	2205366	JP	1046052	•			

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX